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(54) Title: METHOD FOR TRANSPLANTING LYMPHOHEMATOPOIETIC CELLS INTO MAMMAL

(57) Abstract: The present invention provides a method for transplanting lymphohematopoietic cells into a mammal, which comprises the step of injecting cells into a bone marrow cavity, and wherein the cells have an exogenous gene encoding a receptor that induces cell proliferation in response to ligand binding. By combining intra-bone marrow transplantation (iBMT) and selective amplifier gene (SAG), marrow conditioning before the injection of the cells can be omitted. The present invention further provides a bone marrow transplant and a kit for transplanting lymphohematopoietic cells into mammals. Furthermore, the invention provides an SAG particularly suitable for such transplantation.

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